

5

What is Claimed:

1. A composition of matter comprising R(-)-4-[2-(Dimethylamino-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof, substantially free of S(+)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof.

2. A composition of matter comprising S(+)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof, substantially free of R(-)-4-[2-(Dimethylamino-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof.

3. A pharmaceutical composition comprising one or more pharmaceutically acceptable carriers and a pharmaceutically effective amount of R(-)-4-[2-(Dimethylamino-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof, substantially free of S(+)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof.

4. A pharmaceutical composition comprising one or more pharmaceutically acceptable carriers and a pharmaceutically effective amount of S(+)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof, substantially free of R(-)-4-[2-(Dimethylamino-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof.

5. A method of treatment of depression in a mammal, the method comprising administering to a mammal in need thereof a pharmaceutically effective

- 21 -

5 amount of R(-)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof, substantially free of S(+)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof.

10 6. A method of treatment of depression in a mammal, the method comprising administering to a mammal in need thereof a pharmaceutically effective amount of S(+)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically acceptable salt or salt hydrate thereof, substantially free of R(-)-4-[2-(Dimethylamino)-1-(1-hydroxycyclohexyl)ethyl]phenol, or a pharmaceutically
15 acceptable salt or salt hydrate thereof.